

# QARS Conjugated Antibody

Catalog No: #C47181

Package Size: #C47181-AF350 100ul #C47181-AF405 100ul #C47181-AF488 100ul #C47181-AF555 100ul #C47181-AF594 100ul #C47181-AF647 100ul #C47181-AF680 100ul #C47181-AF750 100ul #C47181-Biotin 100ul #C47181-Conjugated 50ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	QARS Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total QARS protein.
Immunogen Description	Fusion protein of human QARS
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	GLNRS; MSCCA; PRO2195
Accession No.	Swiss-Prot#:P47897NCBI Gene ID:5859NCBI Protein#:BC016634
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

IF:1:50-1:200

## Background

Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. In metazoans, 9 aminoacyl-tRNA synthetases specific for glutamine (gln), glutamic acid (glu), and 7 other amino acids are associated within a multienzyme complex. Although present in eukaryotes, glutaminyl-tRNA synthetase (QARS) is absent from many prokaryotes, mitochondria, and chloroplasts, in which Gln-tRNA(Gln) is formed by transamidation of the misacylated Glu-tRNA(Gln). Glutaminyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family. Alternative splicing results in multiple transcript variants.?

Note: This product is for in vitro research use only and is not intended for use in humans or animals.